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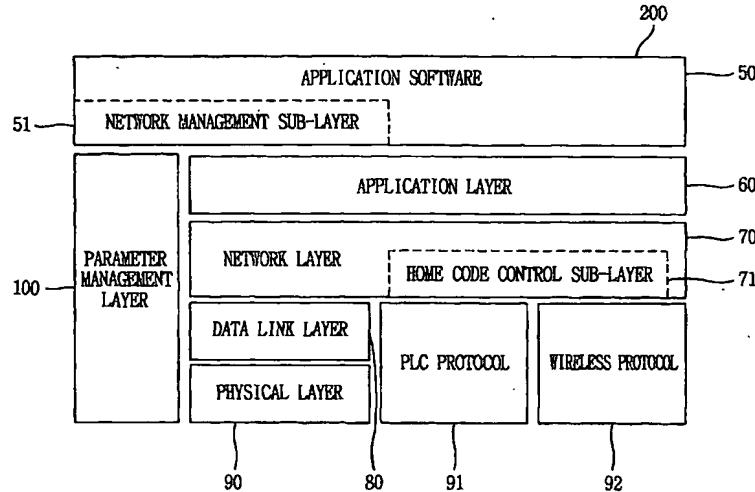
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(54) Title: HOME NETWORK SYSTEM



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(57) Abstract: The present invention discloses a home network using a living network control protocol. The home network system includes: a network based on a predetermined protocol; at least electric device connected to the network; and a network manager connected to the network, for controlling and/or monitoring the electric device, when the protocol includes an application layer for handling a message for controlling and monitoring the electric device, a network layer for network-connecting the electric device to the network manager, a data link layer for accessing shared transmission medium, and a physical layer for providing a physical interface between the electric device and the network manager, wherein the physical layer further includes a special protocol for providing an interface with a dependent transmission medium, and the network layer further includes a home code control sub-layer for managing a home code for network security when accessing the dependent transmission medium.



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